

REMARKS/ARGUMENTS

Claims 12-19 and 44-55 are pending in this application. Claims 12-19 and 44-55 stand rejected. Claims 12, 44, 46, 50 and 54 have been amended to clarify the claimed subject matter. No new matter has been added. In view of the following remarks, reconsideration and allowance of all pending claims are respectfully requested.

Claim Objections

The Office Action objected to claim 54 because of informalities. Claim 54 has been amended in accordance with the Examiner's suggestion. The applicants respectfully request that the objection be withdrawn.

Claim Rejections under 35 U.S.C. §112

The Office Action rejected claim 46 under 35 U.S.C. §112, second paragraph, as being indefinite. Claim 46 has been amended in accordance with the Examiner's suggestion. Claim 46 is allowable.

Claim Rejections under 35 U.S.C. §103

The Office Action rejected claims 12-17, 19, 44-45, 47, 50-51 and 55 under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,548,814 ("Lorang") in view of U.S. Patent No. 5,168,271 ("Chadwick"). With regard to claim 12, the cited art fails to teach or suggest claim 12. Claim 12 recites the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. This amendment is support in the specification for

example, at page 6, line 25 to page 7, line 3. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 12. Claim 12 is allowable.

With regard to claim 13, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. Claim 13 is allowable.

With regard to claim 14, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. Claim 14 is allowable.

With regard to claim 15, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. Claim 15 is allowable.

With regard to claim 16, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. Claim 16 is allowable.

With regard to claim 17, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. Claim 17 is allowable.

With regard to claim 19, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. Claim 19 is allowable.

With regard to claim 44, the cited art fails to teach or suggest claim 44. Claim 44 recites means for transmitting the FM subcarrier baseband signals to the mobile device in accordance with a predetermined schedule, such that the mobile device receives, at an antenna configured to be tuned in response to the predetermined schedule. This amendment is supported in the specification for example, at page 6, line 25 to page 7, line 3. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 44. Claim 44 is allowable.

With regard to claim 45, the cited references, either singly or in motivated combination, do not teach or otherwise suggest means for transmitting the FM subcarrier baseband signals to the mobile device in accordance with a predetermined schedule, such that the mobile device receives, at an antenna configured to be tuned in response to the predetermined schedule. Claim 45 is allowable.

With regard to claim 47, the cited references, either singly or in motivated combination, do not teach or otherwise suggest means for transmitting the FM subcarrier baseband signals to the mobile device in accordance with a predetermined schedule, such that the mobile device receives, at an antenna configured to be tuned in response to the predetermined schedule. Claim 47 is allowable.

With regard to claim 50, the cited art fails to teach or suggest claim 50. Claim 50 recites a subcarrier signal generator that is coupled to the encoding engine and the control processor, wherein the subcarrier signal generator modulates, filters, and amplifies the output image to produce an FM subcarrier baseband signal that is received by the mobile device receives, at an antenna configured to be tuned in response to a predetermined message scheduled. This amendment is supported in the specification for example, at page 6, line 25 to page 7, line 3. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 50. Claim 50 is allowable.

With regard to claim 51, the cited references, either singly or in motivated combination, do not teach or otherwise suggest a subcarrier signal generator that is coupled to the encoding engine and the control processor, wherein the subcarrier signal generator modulates, filters, and amplifies the output image to produce an FM subcarrier baseband signal that is received by the mobile device receives, at an antenna configured to be tuned in response to a predetermined message scheduled. Claim 51 is allowable.

With regard to claim 55, the cited references, either singly or in motivated combination, do not teach or otherwise suggest a subcarrier signal generator that is coupled to the encoding engine and the control processor, wherein the subcarrier signal generator modulates, filters, and amplifies the output image to produce an FM subcarrier baseband signal that is received by the mobile device receives, at an antenna configured to be tuned in response to a predetermined message scheduled. Claim 55 is allowable.

The Office Action rejected claim 18 under 35 U.S.C. §103(a) as being unpatentable over Lorang in view of Chadwick and in view of U.S. Patent No. 5,732,333 ("Cox"). With regard to claim 18, the cited art fails to teach or suggest claim 18. Claim 18 recites the subcarrier signal generator is configured to transmit a signal in response to a message scheduled to a mobile device that includes an antenna configured to be tuned in response to the message scheduled. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). Cox also fails to overcome these deficiencies because Cox is addressed simply to a linear transmitter that includes an digital-analog converter. (Cox, at col. 2, lines 43-51). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 18. Claim 18 is allowable.

The Office Action rejected claim 46 under 35 U.S.C. §103(a) as being unpatentable over Lorang in view of Chadwick and in view of U.S. Patent No. 6,567,397 ("Campana"). With regard to claim 46, the cited art fails to teach or suggest claim 46. Claim 46 recites means for transmitting the FM subcarrier baseband signals to the mobile device in accordance with a

predetermined schedule, such that the mobile device receives, at an antenna configured to be tuned in response to the predetermined schedule. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). Campana also fails to overcome these deficiencies because Campana is addressed simply to a two-way wireless communication system for transferring data to a group of receivers. (Campana, at Abstract). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 46. Claim 46 is allowable.

The Office Action rejected claims 48-49 and 32-53 under 35 U.S.C. §103(a) as being unpatentable over Lorang in view of Chadwick and in view of U.S. Patent No. 4,856,003 (“Weng”). With regard to claim 48, the cited art fails to teach or suggest claim 48. Claim 48 recites means for transmitting the FM subcarrier baseband signals to the mobile device in accordance with a predetermined schedule, such that the mobile device receives, at an antenna configured to be tuned in response to the predetermined schedule. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). Weng also fails to overcome these deficiencies because Weng is addressed simply to an encoder to encode sector to produce ECC symbols by appending one or more pseudo data bytes to the sector data bytes. (Weng, at Abstract). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 48. Claim 48 is allowable.

With regard to claim 49, the cited references, either singly or in motivated combination, do not teach or otherwise suggest means for transmitting the FM subcarrier baseband signals to

the mobile device in accordance with a predetermined schedule, such that the mobile device receives, at an antenna configured to be tuned in response to the predetermined schedule. Claim 49 is allowable.

With regard to claim 52, the cited art fails to teach or suggest claim 52. Claim 52 recites a subcarrier signal generator that is coupled to the encoding engine and the control processor, wherein the subcarrier signal generator modulates, filters, and amplifies the output image to produce an FM subcarrier baseband signal that is received by the mobile device receives, at an antenna configured to be tuned in response to a predetermined message scheduled. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). Weng also fails to overcome these deficiencies because Weng is addressed simply to an encoder to encode sector to produce ECC symbols by appending one or more pseudo data bytes to the sector data bytes. (Weng, at Abstract). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 52. Claim 52 is allowable.

With regard to claim 53, the cited references, either singly or in motivated combination, do not teach or otherwise suggest a subcarrier signal generator that is coupled to the encoding engine and the control processor, wherein the subcarrier signal generator modulates, filters, and amplifies the output image to produce an FM subcarrier baseband signal that is received by the mobile device receives, at an antenna configured to be tuned in response to a predetermined message scheduled. Claim 53 is allowable.

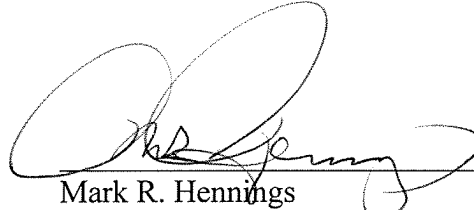
The Office Action rejected claim 54 under 35 U.S.C. §103(a) as being unpatentable over Lorang in view of Chadwick and in view of U.S. Patent No. 5,487,089 ("Misaizu"). With regard to claim 54, the cited art fails to teach or suggest claim 54. Claim 54 recites means for transmitting the FM subcarrier baseband signals to the mobile device in accordance with a predetermined schedule, such that the mobile device receives, at an antenna configured to be tuned in response to the predetermined schedule. Chadwick fails to overcome these deficiencies because Chadwick is addressed simply to encoding in a paging system. (Chadwick, at Fig. 2). Misaizu also fails to overcome these deficiencies because Misaizu is addressed simply to a Nyquist filter for digital modulation. (Misaizu, at Abstract). As such, the cited references, either singly or in motivated combination, do not teach or otherwise suggest the limitations of claim 54. Claim 54 is allowable.

In view of the foregoing amendments and remarks, all pending claims are believed to be allowable and the application is in condition for allowance. Therefore, a Notice of Allowance is respectfully requested. Should the Examiner have any further issues regarding this application, the Examiner is requested to contact the undersigned attorney for the applicants at the telephone number provided below.

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Respectfully submitted,

MERCHANT & GOULD P.C.

A handwritten signature in black ink, appearing to read 'Mark R. Hennings', is written over a horizontal line.

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